

REMARKS

Reconsideration of the application is requested in view of the above amendments and the following remarks. Claim 1 has been amended. Changes made in claim 1 are shown in the attached Version With Markings To Show Changes Made.

Claims 1-5 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over Oguro et al., U.S. 4,961,021 in view of Kwabata, U.S. 4,876,479. Applicants respectfully traverse this rejection.

Concerning claim 1, Applicants respectfully submit that the limitation “wherein said color picture tube is further provided with a preliminary deflection member that applies a preliminary vertical deflection force to said electron beam” is not an intended use recitation. This limitation positively recites a physical property of the preliminary deflection member and is fully supported by the description related to Figures 1, 4, 5 and 6 of the present specification.

Oguro and Kawabata fail to disclose or suggest a preliminary deflection member that applies a preliminary vertical deflection force to the electron beam such that the preliminary vertical deflection force when an electron beam is deflected toward the peripheral portion in the vertical direction of the phosphor screen is made relatively smaller than the preliminary vertical deflection force when an electron beam is deflected toward the middle portion in the vertical direction of the phosphor screen, as required by claim 1. Therefore, claim 1, and the claims that depend from it, are allowable over Oguro and Kowabata.

Concerning claim 4, Oguro fails to disclose a configuration in which the preliminary deflection force is greater at the middle portion of the screen relative to the peripheral portion of the screen, as required by claim 4. Kawabata fails to disclose the “preliminary vertical deflection force,” as required by claim 4. Kawabata discloses the application of a correction magnetic field to electrons after passing through a magnetic field that is applied by a main deflection coil. Kawabata also discloses the use of diodes that are used for selecting one of the coils to be energized so that a magnetic field is applied only in the one side half area of a screen in which the electron beams are deflected. However, Kawabata fails to disclose switching between the peripheral portion and the middle portion, and further fails to disclose a magnetic field that is switched between being applied and not being applied even in the area of a screen in which the

electron means are deflected. Therefore, Applicants submit that neither Oguro, Kawabata, nor a combination of these references disclose or suggest every limitation of claim 4.

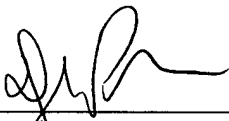
In view of the above, Applicants respectfully request reconsideration of the application in the form of a Notice of Allowance.



Date: April 7, 2003

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claim 1 has been amended as follows:

1. (Twice Amended) A color picture tube apparatus comprising
a color picture tube provided with an electron gun and a phosphor screen on which an electron beam emitted from said electron gun impacts, in a bulb including a front panel and a funnel, and
a deflection yoke attached to a neck portion of said bulb and deflecting said electron beam,
wherein said color picture tube is further provided with a preliminary deflection member [for applying] that applies a preliminary vertical deflection force to said electron beam such that the preliminary vertical deflection force when an electron beam is deflected toward the peripheral portion in the vertical direction of said phosphor screen is made relatively smaller than the preliminary vertical deflection force when an electron beam is deflected toward the middle portion in the vertical direction of said phosphor screen, so that an upper and lower pincushion distortion in a peripheral portion in the vertical direction is increased, and
wherein said upper and lower pincushion distortion in the peripheral portion in the vertical direction is corrected by a deflection magnetic field generated by said deflection yoke, thereby correcting an upper and lower inner pincushion distortion in said middle portion in the vertical direction.